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The Statistics Center
Rutgers-The State University
New Brunswick, N. J.
December, 1962

Technical Report No. N-10

Addendum to Technical Report No. N-4*

by

D. Hogben, R. S. Pinkham and M. B. Wilk

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This document provides additional tables of raw moments of the random variate Q , which has been defined and discussed in Hogben et al. (1961a, 1961b). The tables are of direct use in connection with the work reported in Hogben et al. (1962). Tabled are the second raw moment, μ_2^r , the third raw moment, μ_3^r , and the fourth raw moment, μ_4^r for various values of n and θ , the degrees of freedom and non-centrality of Q .

REFERENCES

- HOG BEN, D., PINKHAM, R.S. and WILK, M. B. (1961a). The moments of a variate related to the non-central t . Technical Report No. N-4, Statistics Center, Rutgers-The State University.
- HOG BEN, D., PINKHAM, R. S. and WILK, M. B. (1961b). An approximation to the distribution of Q , (a variate related to the non-central t). Technical Report No. N-7, Statistics Center, Rutgers-The State University.
- HOG BEN, D., PINKHAM, R. S. and WILK, M. B. (1962). Some properties of Tukey's test for non-additivity. Technical Report in preparation.

2	e	n=0				n=1				n=2			
		μ_2^1	μ_3^1	μ_4^1	μ_2^1	μ_3^1	μ_4^1	μ_2^1	μ_3^1	μ_2^1	μ_3^1	μ_4^1	μ_4^1
.00		1.00000000	.00000000	1.00000000	.50000000	.00000000	.37500000	.33333333	.00000000	.33333333	.0159567	.20000000	.20000000
.05		1.00000000	.03987776	1.00000000	.50124124	.0234947	.3753124	.3336665	.0159567	.3336665	.0159567	.2002856	.2002856
.10		1.00000000	.07965577	1.00000000	.502479	.0469602	.3762482	.3346648	.0319078	.3346648	.0319078	.2011416	.2011416
.15		1.00000000	.1192354	1.00000000	.5028020	.0703670	.377803	.3363237	.0478474	.3363237	.0478474	.2025550	.2025550
.20		1.00000000	.1585194	1.00000000	.5049668	.0936864	.3799710	.3386363	.0637698	.3386363	.0637698	.2045512	.2045512
.25		1.00000000	.1974126	1.00000000	.5077318	.1168898	.3827418	.3415928	.0796691	.3415928	.0796691	.2070935	.2070935
.30		1.00000000	.2358229	1.00000000	.5110831	.1399492	.3861039	.3451806	.0955395	.3451806	.0955395	.2101837	.2101837
.35		1.00000000	.2736613	1.00000000	.5150046	.1628373	.3900427	.3493847	.1113748	.3493847	.1113748	.2138116	.2138116
.40		1.00000000	.3108435	1.00000000	.5194772	.1855276	.3945417	.3541876	.1271690	.3541876	.1271690	.2179653	.2179653
.45		1.00000000	.3472896	1.00000000	.5244794	.2079944	.3995820	.3595695	.1429156	.3595695	.1429156	.2226316	.2226316
.50		1.00000000	.3829249	1.00000000	.529876	.2302130	.4051425	.3655085	.1586084	.3655085	.1586084	.2277955	.2277955
.55		1.00000000	.4176806	1.00000000	.5359761	.2521600	.4112005	.3719807	.1742406	.3719807	.1742406	.2334407	.2334407
.60		1.00000000	.4514938	1.00000000	.5424173	.2738130	.4177315	.3789604	.1898056	.3789604	.1898056	.2395496	.2395496
.65		1.00000000	.4843078	1.00000000	.5492820	.2951508	.4247096	.3864202	.2052964	.3864202	.2052964	.2461033	.2461033
.70		1.00000000	.5160727	1.00000000	.5565399	.3161538	.4321074	.3943316	.2207061	.3943316	.2207061	.2530820	.2530820
.75		1.00000000	.5467453	1.00000000	.5641593	.3368035	.4398968	.4026648	.2360274	.4026648	.2360274	.2604648	.2604648
.80		1.00000000	.5762892	1.00000000	.5721079	.3570831	.4480483	.4113888	.2512531	.4113888	.2512531	.2682299	.2682299
.85		1.00000000	.6046749	1.00000000	.5803526	.3769771	.4565322	.4204722	.2663757	.4204722	.2663757	.2763551	.2763551
.90		1.00000000	.6318798	1.00000000	.5888603	.3964715	.4653181	.4298830	.2813879	.4298830	.2813879	.2848172	.2848172
.95		1.00000000	.6578877	1.00000000	.5975974	.4155540	.4743753	.4395887	.2962821	.4395887	.2962821	.2935930	.2935930
1.00		1.00000000	.6826895	1.00000000	.6065307	.4342135	.4836734	.4495569	.3110507	.4495569	.3110507	.3026585	.3026585
1.20		1.00000000	.7698607	1.00000000	.6435780	.5044579	.5226682	.4914120	.3687195	.5226682	.3687195	.3413390	.3413390
1.40		1.00000000	.8384866	1.00000000	.6812812	.5674495	.5631694	.5349674	.4237900	.5631694	.4237900	.3827527	.3827527
1.60		1.00000000	.8904014	1.00000000	.7179833	.6231659	.6035425	.5784664	.4758368	.6035425	.4758368	.4254695	.4254695
1.80		1.00000000	.9281394	1.00000000	.7524379	.6718692	.6424802	.6204885	.5245112	.6424802	.5245112	.4682312	.4682312
2.00		1.00000000	.9544997	1.00000000	.7838338	.7140316	.6790415	.6599970	.5695669	.6790415	.5695669	.5100045	.5100045
2.50		1.00000000	.9875807	1.00000000	.8470299	.7949501	.7569406	.7442404	.6657952	.7569406	.6657952	.6055292	.6055292
3.00		1.00000000	.9973002	1.00000000	.8901232	.8492047	.8150205	.8069013	.7397257	.8150205	.7397257	.6842881	.6842881
3.50		1.00000000	.9995347	1.00000000	.9185459	.8857507	.8567719	.8516454	.7949699	.8567719	.7949699	.7461329	.7461329
4.00		1.00000000	.9999367	1.00000000	.9375210	.9109310	.8867253	.8834499	.8359264	.8867253	.8359264	.7937063	.7937063
4.50		1.00000000	.9999932	1.00000000	.9506193	.9288022	.9085512	.9064036	.8664829	.9085512	.8664829	.8302014	.8302014
5.00		1.00000000	.9999994	1.00000000	.9600001	.9418679	.9248001	.9233479	.8895999	.9248001	.8895999	.8583965	.8583965
5.50		1.00000000	1.00000000	1.00000000	.9669422	.9516800	.9371628	.9361510	.8959999	.9371628	.8959999	.8804329	.8804329
6.00		1.00000000	1.00000000	1.00000000	.9722222	.9592232	.9467593	.9460347	.9212963	.9467593	.9212963	.8978831	.8978831
7.00		1.00000000	1.00000000	1.00000000	.9795918	.9698648	.9604332	.9600348	.9412745	.9604332	.9412745	.9232610	.9232610
8.00		1.00000000	1.00000000	1.00000000	.9843750	.9768409	.9694824	.9692463	.9545898	.9694824	.9545898	.9403832	.9403832
9.00		1.00000000	1.00000000	1.00000000	.9876543	.9816548	.9757659	.9756174	.9638775	.9757659	.9638775	.9524234	.9524234
10.00		1.00000000	1.00000000	1.00000000	.99000000	.9851135	.9803000	.9802021	.9706000	.9803000	.9706000	.9611879	.9611879

3.	0	n=3				n=4				n=5			
		μ_2^1	μ_3^1	μ_4^1	μ_2^2	μ_3^2	μ_4^2	μ_2^3	μ_3^3	μ_4^3	μ_2^4	μ_3^4	μ_4^4
.00	.2500000	.0000000	.1250000	.2000000	.0000000	.0857143	.1666667	.0000000	.0625000				
.05	.2503124	.0117504	.1252343	.2002856	.0091199	.0859047	.1669270	.0073452	.0626562				
.10	.2512484	.0235045	.1259367	.2011416	.0182475	.0864757	.1677073	.0146995	.0631247				
.15	.2528046	.0352658	.1271054	.2025650	.0273901	.0874262	.1690052	.0220721	.0639049				
.20	.2549751	.0470379	.1287375	.2045512	.0365551	.0887545	.1708167	.0294718	.0649958				
.25	.2577518	.0588238	.1308290	.2070935	.0457497	.0904582	.1731366	.0369075	.0663961				
.30	.2611246	.0706267	.1333746	.2101837	.0549807	.0925342	.1759579	.0443875	.0681039				
.35	.2650809	.0824492	.1363681	.2138116	.0642544	.0949787	.1792724	.0519199	.0701172				
.40	.2696063	.0942935	.1398021	.2179653	.0735770	.0977873	.1830702	.0595124	.0724333				
.45	.2746845	.1061615	.1436683	.2226316	.0829540	.1009550	.1873404	.0671721	.0750495				
.50	.2802974	.1180546	.1479573	.2277955	.0923902	.1044761	.1920706	.0749056	.0779623				
.55	.2864249	.1299736	.1526587	.2334407	.1018902	.1083443	.1972474	.0827191	.0811680				
.60	.2930458	.1419188	.1577613	.2395496	.1114575	.1125527	.2028562	.0906179	.0846627				
.65	.3001372	.1573900	.1632532	.2461035	.1210953	.1170939	.2088812	.0986068	.0884417				
.70	.3076750	.1658863	.1691214	.2530820	.1308060	.1219598	.2153060	.1066900	.0925004				
.75	.3156342	.1779062	.1753524	.2604648	.1405910	.1271420	.2221130	.1148706	.0968334				
.80	.3239887	.1899476	.1819320	.2682299	.1504514	.1326313	.2292842	.1231513	.1014352				
.85	.3327717	.2020080	.1888453	.2763551	.1603873	.1384183	.2368008	.1315340	.1062998				
.90	.3417759	.2140839	.1960769	.2848173	.1703979	.1444931	.2446432	.1400197	.1114210				
.95	.3511533	.2261715	.2036111	.2935930	.1804820	.1508453	.2527918	.1486088	.1167921				
1.00	.3608160	.2382665	.2114316	.3026585	.1906375	.1574641	.2612264	.1573009	.1224063				
1.20	.4017585	.2866130	.2452422	.3413390	.2319078	.1863801	.2974143	.1930650	.1471428				
1.40	.4450576	.3346009	.2822792	.3827527	.2739839	.2186294	.3365387	.2302611	.1751349				
1.60	.4891016	.3817633	.3214586	.4254695	.3164556	.2534204	.3773396	.2685565	.2058142				
1.80	.5325225	.4276056	.3617559	.4682312	.3588323	.2899579	.4186781	.3075129	.2385757				
2.00	.5742493	.4716571	.4022522	.5100045	.4005978	.3274788	.4595846	.3466369	.2728043				
2.50	.6668513	.5715331	.4936123	.6055292	.4992672	.4212007	.5553586	.4419849	.3609571				
3.00	.7399179	.6543767	.5856879	.6842881	.5856296	.5085652	.6370979	.5289572	.4466803				
3.50	.7949979	.7202959	.6576048	.7461329	.6575969	.5851330	.7034025	.6041334	.5247777				
4.00	.8359296	.7716358	.7158292	.7937063	.7158283	.6496941	.7558627	.6668929	.5928863				
4.50	.8664832	.8113974	.7623223	.8302014	.7623222	.7029827	.7970426	.7183111	.6507130				
5.00	.8896000	.8423284	.7993600	.8583965	.7993600	.7465656	.8294400	.7601303	.6991104				
5.50	.9073834	.8666231	.8289915	.8804329	.8289915	.7821624	.8551221	.7941432	.7393808				
6.00	.9212963	.8859318	.8528807	.8978831	.8528807	.8113323	.8756859	.8219260	.7728767				
7.00	.9412745	.9141158	.8882863	.9232610	.8882863	.8533225	.9059491	.8636933	.8242411				
8.00	.9545898	.9331962	.9126129	.9403832	.9126129	.8860895	.9266052	.8927964	.8607373				
9.00	.9638775	.9466431	.9299283	.9524234	.9299283	.9082389	.9412447	.9137107	.8873165				
10.00	.9706000	.9564464	.9426400	.9611879	.9426400	.9246339	.9519600	.9291688	.9071484				

7° θ	n=6				n=7				n=8			
	μ ₂ ¹	μ ₃ ¹	μ ₄ ¹	μ ₂ ²	μ ₃ ²	μ ₄ ²	μ ₂ ³	μ ₃ ³	μ ₄ ³			
.00	.1428571	.0000000	.0476190	.1250000	.0000000	.0375000	.1111111	.0000000	.0303030			
.05	.1430952	.0060807	.0477489	.1252187	.0051422	.0376094	.1113131	.0044227	.0303963			
.10	.1438087	.0121711	.0481384	.1258743	.0102939	.0379374	.1119186	.0088548	.0306760			
.15	.1449956	.0182807	.0487872	.1269651	.0156449	.0384841	.1129262	.0133055	.0311422			
.20	.1466529	.0244191	.0496948	.1284884	.0206645	.0392492	.1143335	.0177840	.0317949			
.25	.1487759	.0305953	.0508068	.1304404	.0259020	.0402323	.1161374	.0222994	.0326340			
.30	.1513589	.0368185	.0522835	.1328163	.0311864	.0414332	.1183338	.0268603	.0336596			
.35	.1543951	.0430973	.0539625	.1356103	.0368265	.0428513	.1209176	.0314755	.0348715			
.40	.1578763	.0494400	.0558963	.1388155	.0419306	.0444861	.1238830	.0361532	.0362698			
.45	.1617933	.0558544	.0580832	.1424240	.0474068	.0463370	.1272233	.0409012	.0378543			
.50	.1661358	.0623479	.0605215	.1464273	.0529627	.0484030	.1309316	.0457271	.0396248			
.55	.1708925	.0689272	.0632091	.1508157	.0586053	.0506832	.1349980	.0506380	.0415812			
.60	.1760511	.0755986	.0661438	.1555788	.0643411	.0531767	.1394154	.0556404	.0437230			
.65	.1815986	.0823678	.0693231	.1607054	.0701763	.0558821	.1441734	.0607407	.0460501			
.70	.1875209	.0892397	.0727442	.1661837	.0761162	.0587980	.1492620	.0659442	.0485617			
.75	.1938034	.0962186	.0764041	.1720012	.0821656	.0619230	.1546703	.0712562	.0512575			
.80	.2004306	.1033082	.0802994	.1781446	.0883287	.0652551	.1603869	.0766810	.0541366			
.85	.2073867	.1105112	.0844267	.1846004	.0946091	.0687926	.1664001	.0822226	.0571982			
.90	.2146552	.1178299	.0887821	.1913543	.1010096	.0725332	.1726975	.0878844	.0604414			
.95	.2222191	.1252658	.0933616	.1983919	.1075324	.0764745	.1792666	.0936690	.0638648			
1.00	.2300613	.1328196	.0981607	.2056983	.1141791	.0806140	.1860944	.0995784	.0674672			
1.20	.2638595	.1642038	.1194567	.2373057	.1420126	.0990940	.2157253	.1244862	.0836325			
1.40	.3006911	.1973555	.1438478	.2719772	.1717839	.1204764	.2484100	.1514052	.1025007			
1.60	.3394449	.2320165	.1709313	.3087294	.2032998	.1444813	.2832737	.1801963	.1238833			
1.80	.3790945	.2678129	.2002532	.3466391	.2362488	.1707724	.3194807	.2106042	.1475349			
2.00	.4187416	.3042982	.2313255	.3848724	.2702383	.1989669	.3562696	.2422890	.1731587			
2.50	.5133650	.3954463	.3133951	.4775980	.3569034	.2750405	.4467083	.3244831	.2435750			
3.00	.5964266	.4814037	.3960417	.5609309	.4409322	.3539494	.5296317	.4060821	.3185023			
3.50	.6656329	.5579807	.4738180	.6319526	.5177323	.4302987	.6016946	.4823295	.3927726			
4.00	.7217002	.6236216	.5436243	.6906721	.5850841	.5005575	.6623416	.5505484	.4626397			
4.50	.7665921	.6786153	.6043676	.7385107	.6426315	.5630374	.7125172	.6098669	.5259902			
5.00	.8024811	.7241728	.6562591	.7773082	.6910977	.6174059	.7537404	.6605763	.5820460			
5.50	.8312976	.7617835	.7001706	.8088256	.7316585	.6641270	.7875886	.7035485	.6309040			
6.00	.8546077	.7928777	.7372009	.8345622	.7655682	.7040324	.8154721	.7398495	.6731325			
7.00	.8892968	.8402524	.7948695	.8732659	.8178869	.7670889	.8578210	.7965267	.7407829			
8.00	.9132363	.8737062	.8364864	.9002581	.8553045	.8132722	.8876530	.8375561	.7910349			
9.00	.9303312	.8979694	.8671244	.9196734	.8826847	.8476283	.9092623	.8678379	.8287959			
10.00	.9429109	.9160213	.8901631	.9340354	.9031865	.8736589	.9253283	.8906539	.8576173			

5.	θ	$n=9$				$n=10$				$n=11$			
		μ_2^1	μ_3^1	μ_4^1	μ_2^2	μ_3^2	μ_4^2	μ_2^3	μ_3^3	μ_2^4	μ_3^4	μ_4^4	μ_4^5
.00		.1000000	.0000000	.0250000	.0909091	.0000000	.0209790	.0833333	.0000000				.0178571
.05		.1001875	.0038569	.0250804	.0910839	.0034023	.0210490	.0834970	.0030306				.0179185
.10		.1007495	.0077227	.0253215	.0916079	.0068131	.0212588	.0839877	.0060692				.0181027
.15		.1016848	.0116064	.0257234	.0924802	.0102409	.0216087	.0848045	.0091239				.0184099
.20		.1029915	.0155167	.0262862	.0936989	.0136940	.0220988	.0859458	.0122025				.0188404
.25		.1046667	.0194623	.0270102	.0952616	.0171806	.0227294	.0874097	.0153129				.0193944
.30		.1067069	.0234516	.0278955	.0971652	.0207089	.0235008	.0891932	.0184628				.0200724
.35		.1091077	.0274930	.0289423	.0994061	.0242867	.0244136	.0912932	.0216597				.0208749
.40		.1118642	.0315944	.0301508	.1019797	.0279216	.0254680	.0937057	.0249108				.0218026
.45		.1149706	.0357634	.0315214	.1048810	.0316212	.0266647	.0964263	.0282232				.0228561
.50		.1184203	.0400075	.0330544	.1081045	.0353923	.0280041	.0994501	.0316037				.0240361
.55		.1222064	.0443335	.0347498	.1116438	.0392418	.0294869	.1027716	.0350587				.0253433
.60		.1263210	.0487480	.0366081	.1154923	.0431760	.0311135	.1063848	.0385944				.0267786
.65		.1307559	.0532570	.0386293	.1196426	.0472009	.0328846	.1102833	.0422167				.0283428
.70		.1355021	.0578663	.0408137	.1240869	.0513221	.0348007	.1144602	.0459309				.0300367
.75		.1405503	.0625810	.0431612	.1288171	.0555447	.0368623	.1189082	.0497421				.0318611
.80		.1458905	.0674057	.0456718	.1338243	.0598733	.0390699	.1236197	.0536549				.0338168
.85		.1515124	.0723444	.0483455	.1390996	.0643121	.0414239	.1285864	.0576735				.0359045
.90		.1574054	.0774009	.0511820	.1446335	.0688649	.0439246	.1338002	.0618018				.0381250
.95		.1635584	.0825780	.0541810	.1504162	.0735349	.0465722	.1392523	.0660429				.0404788
1.00		.1699600	.0878784	.0573419	.1564376	.0783248	.0493668	.1449337	.0703999				.0429666
1.20		.1978166	.1103414	.0715903	.1827021	.0987201	.0620138	.1697663	.0890276				.0542642
1.40		.2286912	.1348309	.0883474	.2119326	.1211218	.0769866	.1975037	.1096205				.0677183
1.60		.2618014	.1612519	.1074931	.2434261	.1454712	.0942165	.2275107	.1321493				.0832987
1.80		.2963901	.1893984	.1288527	.2764943	.1716039	.1135837	.2591596	.1564852				.1009288
2.00		.3317566	.2189786	.1521990	.3104918	.1992717	.1349171	.2918549	.1824176				.1204826
2.50		.4197244	.2968594	.2173896	.3959250	.2730646	.1953321	.3747611	.2523747				.1765561
3.00		.5017933	.3757742	.2883199	.4768493	.3491913	.2623743	.4543548	.3257018				.2398844
3.50		.5743372	.4509570	.3601426	.5494641	.4229750	.3315614	.5267384	.3978733				.3063633
4.00		.6363536	.5194292	.4290466	.6124161	.4912516	.3991193	.5902854	.4656258				.3723243
4.50		.6883755	.5799137	.4926288	.6658855	.5524312	.4624609	.6448762	.5271323				.4350768
5.00		.7316218	.6323285	.5497558	.7108168	.6061146	.5201763	.6912071	.5817275				.4930017
5.50		.7674832	.6772621	.6002032	.7484175	.6526313	.5717664	.7303098	.6295086				.5453688
6.00		.7972679	.7155898	.6442917	.7798872	.6926717	.6173247	.7632732	.6709901				.5920674
7.00		.8429296	.7761076	.6842917	.8285615	.7565709	.6921814	.8146888	.7378626				.6697022
8.00		.8754050	.8204281	.7697190	.8634985	.8038898	.7492732	.8519192	.7879126				.7296496
9.00		.8990891	.8534111	.8105968	.8891457	.8393876	.7930023	.8794241	.8257514				.7759854
10.00		.9167849	.8784134	.8420210	.9084006	.8664555	.8268534	.9001707	.8547710				.8120985

θ	$n=12$				$n=13$				$n=14$			
	μ_2^1	μ_3^1	μ_4^1	μ_2^2	μ_3^2	μ_4^2	μ_2^3	μ_3^3	μ_4^3	μ_2^4	μ_3^4	μ_4^4
.00	.0769231	.0000000	.0153846	.0714286	.0000000	.0133929	.0666667	.0000000	.0117647			
.05	.0770769	.0027220	.0154389	.0715736	.0024625	.0134412	.0668039	.0022417	.0118081			
.10	.0775381	.0054516	.0156019	.0720086	.0049321	.0135864	.0672154	.0044902	.0119382			
.15	.0783059	.0081963	.0158737	.0727327	.0074160	.0138285	.0679005	.0067523	.0121552			
.20	.0793788	.0109637	.0162546	.0737449	.0099214	.0141679	.0688581	.0090345	.0124595			
.25	.0807551	.0137612	.0167450	.0750432	.0124551	.0146051	.0700868	.0113436	.0128515			
.30	.0824324	.0165959	.0173454	.0766258	.0150242	.0151404	.0715845	.0136860	.0128515			
.35	.0844076	.0194752	.0180565	.0784899	.0176352	.0157745	.0733490	.0160682	.0139007			
.40	.0866773	.0224058	.0188787	.0806324	.0202949	.0165083	.0753776	.0184964	.0145594			
.45	.0892377	.0253944	.0198130	.0830499	.0230096	.0173424	.0776670	.0209767	.0153085			
.50	.0920844	.0284477	.0208602	.0857385	.0257854	.0182777	.0802137	.0235149	.0161490			
.55	.0952124	.0315717	.0220210	.0886937	.0286284	.0193154	.0830139	.0261167	.0170819			
.60	.0986165	.0347724	.0232966	.0919110	.0315441	.0204563	.0860632	.0287876	.0181083			
.65	.1022910	.0380554	.0246878	.0953850	.0345380	.0217015	.0893571	.0315327	.0192293			
.70	.1062297	.0414259	.0261957	.0991105	.0376151	.0230522	.0928907	.0343569	.0204460			
.75	.1104261	.0448890	.0278213	.1030815	.0407803	.0245095	.0966586	.0372649	.0217598			
.80	.1148734	.0484490	.0295655	.1072919	.0440380	.0260746	.1006554	.0402609	.0231718			
.85	.1195645	.0521103	.0314293	.1117352	.0473922	.0277485	.1048753	.0433491	.0246833			
.90	.1244917	.0558766	.0334138	.1164047	.0508469	.0295324	.1093120	.0465330	.0262955			
.95	.1296474	.0597512	.0355198	.1212935	.0544052	.0314275	.1139594	.0498161	.0280096			
1.00	.1350235	.0637372	.0377481	.1263943	.0580703	.0334347	.1188109	.0532015	.0298269			
1.20	.1585644	.0808396	.0478992	.1487659	.0738456	.0426042	.1401202	.0678134	.0381498			
1.40	.1849434	.0998538	.0600516	.1739064	.0914724	.0536331	.1641281	.0842134	.0482030			
1.60	.2135842	.1207741	.0742040	.2012903	.1109643	.0665424	.1903542	.1024305	.0600242			
1.80	.2439122	.1435016	.0903135	.2303903	.1322475	.0813154	.2183124	.1224122	.0736173			
2.00	.2753769	.1678591	.1082910	.2606963	.1551737	.0978927	.2475292	.1440353	.0889471			
2.50	.3558064	.2342370	.1604266	.3387239	.2182217	.1464581	.3232431	.2039896	.1342736			
3.00	.4339543	.3048095	.2202457	.4153602	.2861189	.2029840	.3983362	.2693102	.1877218			
3.50	.5058836	.3752397	.2840186	.4866702	.3547372	.2640999	.4689061	.3360872	.2462593			
4.00	.5697567	.4422281	.3482250	.5506561	.4207878	.3264606	.5328348	.4010761	.3067306			
4.50	.6252006	.5037729	.4101328	.6067309	.4821441	.3873384	.5893560	.4620661	.3664463			
5.00	.6726887	.5589877	.4679695	.6551698	.5377382	.4448532	.6385688	.5178416	.4234565			
5.50	.7130873	.6077634	.5208136	.6966842	.5872799	.4979282	.6810417	.5679548	.4765601			
6.00	.7473747	.6504506	.5683738	.7321449	.6309682	.5461138	.7175412	.6124660	.5251709			
7.00	.8012855	.7199329	.6483282	.7883376	.7027361	.6279863	.7757926	.6862298	.6086095			
8.00	.8406534	.7724695	.7108037	.8296884	.7575353	.6926940	.8190118	.7430862	.6752820			
9.00	.8699170	.8124875	.7595206	.8606171	.7995815	.7435838	.8515176	.7870197	.7281523			
10.00	.8920911	.8433509	.7977414	.8841576	.8321869	.7837677	.8763662	.8212710	.7701635			

7.	n=15				n=16				n=17			
θ	μ_2^1	μ_3^1	μ_4^1	μ_2^2	μ_3^2	μ_4^2	μ^2	μ_3^2	μ_4^2	μ^2	μ_3^2	μ_4^2
.00	.0625000	.0000000	.0104167	.0588235	.0000000	.0092879	.0555556	.0000000	.0083333			.0083333
.05	.0626302	.0020521	.0104557	.0589474	.0018878	.0093233	.0556736	.0017444	.0083655			.0083655
.10	.0630206	.0041106	.0105730	.0593186	.0037817	.0094295	.0560276	.0034944	.0084622			.0084622
.15	.0636706	.0061820	.0107686	.0599369	.0056877	.0096068	.0566170	.0052560	.0086235			.0086235
.20	.0645792	.0082724	.0110430	.0608012	.0076118	.0098554	.0574410	.0070347	.0088498			.0088498
.25	.0657451	.0103882	.0113964	.0619103	.0095599	.0101757	.0584986	.0088362	.0091414			.0091414
.30	.0671665	.0125356	.0118296	.0632627	.0115379	.0105683	.0597882	.0106660	.0094989			.0094989
.35	.0688413	.0147206	.0123430	.0648564	.0135515	.0115730	.0630565	.0125296	.0099229			.0099229
.40	.0688413	.0169491	.0129375	.0666893	.0156064	.0121868	.0650308	.0144323	.0104142			.0104142
.45	.0707671	.0192270	.0136139	.0687586	.0177081	.0128761	.0672283	.0163794	.0109736			.0109736
.50	.0729411	.0215598	.0143732	.0710616	.0198618	.0136418	.0696463	.0183760	.0116021			.0116021
.55	.0753599	.0239529	.0152164	.0735950	.0220728	.0144852	.0722815	.0204269	.0123006			.0123006
.60	.0809179	.0264115	.0161446	.0763554	.0243460	.0154074	.0722815	.0225369	.0130702			.0130702
.65	.0840491	.0289406	.0171589	.0793389	.0266861	.0164096	.0751304	.0247107	.0139122			.0139122
.70	.0874092	.0315449	.0182606	.0825415	.0290978	.0174931	.0781894	.0269524	.0148278			.0148278
.75	.0909935	.0342289	.0194510	.0859588	.0315853	.0186592	.0814545	.0292664	.0158181			.0158181
.80	.0947969	.0369968	.0207312	.0895863	.0341527	.0199092	.0849215	.0316565	.0168846			.0168846
.85	.0988142	.0398524	.0221027	.0934193	.0368038	.0212445	.0885860	.0341264	.0180286			.0180286
.90	.1030398	.0427995	.0235667	.0974525	.0395421	.0226664	.0924434	.0366796	.0192514			.0192514
.95	.1074680	.0458413	.0251246	.1016809	.0423709	.0241764	.0964888	.0393193	.0205544			.0205544
1.00	.1120928	.0489809	.0267776	.1060989	.0452932	.0251121	.1007174	.0420484	.0213931			.0213931
1.20	.1324334	.0623662	.0343654	.1255330	.0579672	.0395739	.1193576	.0539088	.0283207			.0283207
1.40	.1540228	.0778752	.0435662	.1475674	.0723009	.0495914	.137426	.0673665	.0361111			.0361111
1.60	.1805599	.0949494	.0544300	.1717356	.0883460	.0612074	.157426	.0824814	.0453769			.0453769
1.80	.2074557	.1137543	.0669772	.1976417	.1060833	.0744220	.1887252	.0992468	.0561606			.0561606
2.00	.2356496	.1341883	.0811918	.2248747	.1254296	.0844021	.2150552	.1175960	.0684754			.0684754
2.50	.3091445	.1912695	.1235763	.2962475	.1798419	.1141298	.2844021	.1695271	.1057434			.1057434
3.00	.3826869	.2541226	.1741552	.3682485	.2403407	.1620371	.3548827	.227854	.1511646			.1511646
3.50	.4524286	.3190576	.2302105	.4370994	.3034532	.2157160	.4227995	.2891088	.2025772			.2025772
4.00	.5161645	.3828987	.2887825	.5005342	.3660892	.2724027	.4858469	.3505040	.2574095			.2574095
4.50	.5729782	.4433830	.3472448	.5575117	.4259592	.3295517	.5428804	.4096759	.3132091			.3132091
5.00	.6228134	.4991768	.4036083	.6078385	.4816367	.3851588	.5935860	.4651262	.3679763			.3679763
5.50	.6661063	.5496958	.4565745	.6518300	.5324201	.4378515	.6381688	.5160532	.4202845			.4202845
6.00	.7035247	.5948744	.5054403	.6900597	.5781304	.4868279	.6771135	.5621763	.4662489			.4662489
7.00	.7636597	.6703749	.5901363	.7519093	.6551350	.5725100	.7405232	.6404766	.556785			.556785
8.00	.8086123	.7291001	.6585313	.7984790	.7155561	.6424083	.7886015	.7024343	.6268815			.6268815
9.00	.8426120	.7747893	.7132045	.8338940	.7628778	.6987202	.8253576	.7512736	.6846799			.6846799
10.00	.8687130	.8105952	.7569158	.8611944	.8001522	.7440120	.8538067	.789348	.7314402			.7314402

θ	$n=18$				$n=19$				$n=20$			
	μ_2^1	μ_3^1	μ_4^1	μ_2^1	μ_3^1	μ_4^1	μ_2^1	μ_3^1	μ_4^1	μ_2^1	μ_3^1	μ_4^1
.00	.0526316	.0000000	.0075188	.0500000	.0000000	.0068182	.0476190	.0000000	.0062112			
.05	.0521443	.0016182	.0075482	.0501079	.0015065	.0068452	.0477226	.0014071	.0062360			
.10	.0530825	.0032418	.0076366	.0504316	.0030182	.0069262	.0480330	.0028192	.0063106			
.15	.0536456	.0048763	.0077840	.0509707	.0045402	.0070615	.0485499	.0042411	.0064352			
.20	.0544330	.0065271	.0079908	.0517244	.0060777	.0072512	.0492727	.0056777	.0066099			
.25	.0554435	.0081995	.0082574	.0526919	.0076357	.0074959	.0502006	.0071338	.0068352			
.30	.0566759	.0098987	.0085843	.0538718	.0092193	.0077959	.0513324	.0086142	.0071115			
.35	.0581286	.0116301	.0089721	.0552629	.0108333	.0081519	.0526668	.0101237	.0074395			
.40	.0597997	.0133986	.0094215	.0568633	.0124827	.0085647	.0542022	.0116668	.0078198			
.45	.0616871	.0152092	.0099335	.0586711	.0141722	.0090349	.0559367	.0132480	.0082533			
.50	.0637884	.0170669	.0105088	.0606841	.0159064	.0095636	.0578684	.0148718	.0087407			
.55	.0661009	.0189762	.0111485	.0628998	.0176898	.0101516	.0599950	.0165426	.0092830			
.60	.0686216	.0209418	.0118537	.0653155	.0195267	.0108000	.0623140	.0182644	.0098813			
.65	.0713474	.0229680	.0126255	.0679283	.0214214	.0115100	.0648228	.0200412	.0105367			
.70	.0742750	.0250590	.0134651	.0707351	.0233778	.0122828	.0675183	.0218770	.0112502			
.75	.0774006	.0272188	.0143738	.0737326	.0253999	.0131195	.0703976	.0237755	.0120232			
.80	.0807204	.0294512	.0153529	.0769171	.0274913	.0140215	.0734574	.0257402	.0128569			
.85	.0842305	.0317598	.0164037	.0802851	.0296555	.0149901	.0766942	.0277744	.0137525			
.90	.0879265	.0341479	.0175277	.0838325	.0318956	.0160267	.0801044	.0298813	.0147115			
.95	.0918041	.0366187	.0187261	.0875554	.0342149	.0171326	.0836843	.0320640	.0157352			
1.00	.0958586	.0391751	.0200004	.0914494	.0366161	.0183092	.0874299	.0343251	.0168249			
1.20	.1137491	.0503056	.0258838	.1086474	.0470889	.0237505	.1039863	.0442027	.0218720			
1.40	.1340682	.0629731	.0330874	.1282112	.0590406	.0304309	.1228481	.0555035	.0280842			
1.60	.1564676	.0772438	.0416825	.1498172	.0725425	.0384255	.1437137	.0683030	.0355388			
1.80	.1805874	.0931219	.0517197	.1731294	.0876080	.0477905	.1662687	.0826224	.0442966			
2.00	.2060681	.1105548	.0632223	.1978105	.1041968	.0585577	.1901963	.0984319	.0543962			
2.50	.2734828	.1601769	.0982620	.2633834	.1516678	.0915581	.2540138	.1438963	.0855263			
3.00	.3424720	.2163064	.1413697	.3309158	.2057766	.1325124	.3201273	.1960879	.1244748			
3.50	.4094265	.2758834	.1906267	.3968910	.2636561	.1797229	.3851154	.2523227	.1697449			
4.00	.4720177	.3360190	.2436474	.4589719	.3225262	.2309824	.4466433	.3099310	.2192987			
4.50	.5290167	.3944287	.2980799	.5158603	.3801256	.2840443	.5035771	.3666848	.2709772			
5.00	.5800035	.4495605	.3519448	.5670437	.4348638	.3369613	.5546637	.4209683	.3229345			
5.50	.6250827	.5005279	.4037778	.6125353	.4857835	.3882460	.6004933	.4717648	.3736122			
6.00	.6646558	.5469597	.4526662	.6526588	.5324327	.4368904	.6410969	.5185512	.4219779			
7.00	.7294844	.6263683	.5395937	.7187768	.6127811	.5242112	.7083854	.5996879	.5094898			
8.00	.7789701	.6897162	.6119212	.7695756	.6773844	.5974996	.7604092	.6654223	.5835908			
9.00	.8169973	.7399655	.6710654	.8088073	.7289429	.6578595	.8007826	.7181955	.6450456			
10.00	.8465466	.7799362	.7191889	.8394107	.7701497	.7072471	.8323957	.7605690	.6956044			

σ	μ_2^1	μ_3^1	$n=21$	μ_4^1	μ_2^2	μ_3^2	$n=22$	μ_4^2	μ_2^3	μ_3^3	$n=23$	μ_4^3
.00	.61514515	.00000000	.0056818	.04314783	.00000000	.0052171	.0416667	.00000000	.0018077			
.05	.0455510	.0013182	.0057048	.0435739	.0012383	.0052387	.0417588	.0011662	.0018274			
.10	.0458521	.0026112	.0057737	.0438607	.0024811	.0053025	.0420351	.0023366	.0018867			
.15	.0463487	.0039754	.0058887	.0443384	.0037328	.0054090	.0424953	.0035155	.0019857			
.20	.0470130	.0053197	.0060501	.0450064	.0049978	.0055586	.0431389	.0047072	.0051247			
.25	.0479344	.0066846	.0062582	.0458640	.0062896	.0057515	.0439652	.0059158	.0053039			
.30	.0490217	.0080726	.0065136	.0469103	.0075855	.0059881	.0449733	.0071455	.0055238			
.35	.0503038	.0094783	.0068167	.0481440	.0089168	.0062691	.0461622	.0084004	.0057850			
.40	.0517792	.0109360	.0071683	.0495639	.0102786	.0065951	.0475306	.0096846	.0060881			
.45	.0534462	.0124202	.0075691	.0511684	.0116752	.0069667	.0490770	.0110019	.0064337			
.50	.0553030	.0139449	.0081199	.0529557	.0131106	.0073849	.0507998	.0123563	.0068227			
.55	.0573473	.0155144	.0085217	.0549238	.0145787	.0078505	.0526973	.0137516	.0072558			
.60	.0595770	.0171326	.0090754	.0570708	.0161133	.0083645	.0547673	.0151914	.0077341			
.65	.0619895	.0188034	.0095821	.0593942	.0176882	.0089278	.0570079	.0166793	.0082586			
.70	.0645822	.0205395	.0103430	.0618915	.0193170	.0095417	.0594166	.0182187	.0088302			
.75	.0673522	.0223175	.0110593	.0645602	.0210030	.0102072	.0619910	.0198130	.0094502			
.80	.0702965	.0241678	.0118321	.0673973	.0227497	.0109255	.0647285	.0214653	.0101197			
.85	.0734119	.0260847	.0126627	.0704000	.0245600	.0116980	.0676263	.0231787	.0108398			
.90	.0766951	.0280711	.0135525	.0735651	.0264371	.0125258	.0706815	.0249561	.0116119			
.95	.0814425	.0301301	.0145028	.0768894	.0283837	.0134103	.0738911	.0268002	.0124372			
1.00	.0837504	.0322643	.0155149	.0803694	.0304025	.0143528	.0772518	.0287137	.0133171			
1.20	.09977109	.0416011	.0202091	.0957749	.0392462	.0187299	.0921393	.0371063	.0174081			
1.40	.1179186	.0523081	.0260006	.1133717	.0494097	.0241420	.1091645	.0467708	.0224769			
1.60	.1380918	.0644640	.0329680	.1328962	.0609739	.0306682	.1280800	.0577897	.0286027			
1.80	.1599358	.0780962	.0411755	.1540715	.0739749	.0383757	.1486253	.0702009	.0358540			
2.00	.1831523	.0931846	.0506672	.1766163	.0883917	.0473122	.1705347	.0839994	.0442826			
2.50	.2452965	.1367747	.0800787	.2371650	.1302286	.0751413	.2295615	.1241942	.0706516			
3.00	.3100313	.1871478	.1171574	.3005621	.1788766	.1104756	.2916623	.1712053	.1043568			
3.50	.3740312	.2417927	.1605890	.3635783	.2319873	.1521660	.3537034	.2228374	.1443985			
4.00	.4349730	.2981504	.2084956	.4239088	.2871112	.1984853	.4134037	.2767485	.1891908			
4.50	.4914586	.3540340	.2588461	.4801211	.3421082	.2475093	.4693050	.3308495	.2369144			
5.00	.5428245	.4078127	.3097832	.5314908	.3953420	.2974343	.5206301	.3835063	.2858229			
5.50	.5869259	.4584217	.3598069	.5778051	.4457085	.3467676	.5671051	.4335836	.3344377			
6.00	.6299463	.5052751	.4078313	.6191850	.4925672	.3943979	.6087925	.4803934	.3816296			
7.00	.6982962	.5870633	.4953916	.6884959	.5748838	.4818811	.6789719	.5631274	.4689256			
8.00	.7514624	.6538143	.5701704	.7427273	.6425456	.5572152	.7341965	.6316023	.5447038			
9.00	.7929181	.7077138	.6325082	.7852089	.6974884	.6205324	.7776505	.6875105	.6088041			
10.00	.8251987	.7511880	.6842597	.8187166	.7420009	.6731763	.8120465	.7330021	.6623722			

10.	θ	$n=24$				$n=25$				$n=30$			
		μ_2^1	μ_3^1	μ_4^1	μ_2^1	μ_3^1	μ_4^1	μ_2^1	μ_3^1	μ_2^1	μ_3^1	μ_4^1	μ_4^1
.00	.00	.01000000	.00000000	.00111111	.0384615	.0000000	.0011209	.0322581	.0000000	.0322581	.0000000	.0029326	.0029326
.05	.05	.0100889	.0011007	.0011628	.0385474	.0010112	.0011381	.0323314	.0008104	.0323314	.0008104	.0029451	.0029451
.10	.10	.0103554	.0022056	.0045181	.0388048	.0020863	.0011896	.0325512	.0016239	.0325512	.0016239	.0029829	.0029829
.15	.15	.0107994	.0033185	.0046103	.0392336	.0031393	.0012757	.0329175	.0021438	.0329175	.0021438	.0030459	.0030459
.20	.20	.0114203	.0044436	.0047397	.0398333	.0042038	.0013966	.0334297	.0032732	.0334297	.0032732	.0031344	.0031344
.25	.25	.0122174	.0055850	.0049067	.0406034	.0052839	.0015525	.0340876	.0041153	.0340876	.0041153	.0032487	.0032487
.30	.30	.0131901	.0067165	.0051116	.0415430	.0063833	.0017439	.0348906	.0049731	.0348906	.0049731	.0033890	.0033890
.35	.35	.0143372	.0079321	.0053550	.0426512	.0075058	.0019713	.0358379	.0058498	.0358379	.0058498	.0035558	.0035558
.40	.40	.0156577	.00921457	.0056375	.0439269	.0086550	.0023252	.0369288	.0067483	.0369288	.0067483	.0037495	.0037495
.45	.45	.0171501	.0103910	.0059597	.0453689	.0098346	.0025363	.0381623	.0076718	.0381623	.0076718	.0039708	.0039708
.50	.50	.0188129	.0116718	.0063224	.0469757	.0110483	.0028753	.0395374	.0086231	.0395374	.0086231	.0042200	.0042200
.55	.55	.0206444	.0129217	.0067264	.0487458	.0122994	.0032530	.0410530	.0096051	.0410530	.0096051	.0044981	.0044981
.60	.60	.0226429	.0143542	.0071726	.0506775	.0135913	.0036703	.0427077	.0106207	.0427077	.0106207	.0048056	.0048056
.65	.65	.0248063	.0157628	.0076621	.0527688	.0149275	.0041281	.0445002	.0116725	.0445002	.0116725	.0051433	.0051433
.70	.70	.0271324	.0172208	.0081957	.0550178	.0163110	.0046274	.0464290	.0127634	.0464290	.0127634	.0055122	.0055122
.75	.75	.0296190	.0187344	.0087747	.0574222	.0177449	.0051693	.0484925	.0138959	.0484925	.0138959	.0059129	.0059129
.80	.80	.0322635	.0202976	.0094001	.0599799	.0192323	.0057548	.0506890	.0150725	.0506890	.0150725	.0063466	.0063466
.85	.85	.0350635	.0219225	.0100731	.0626883	.0207760	.0063852	.0530168	.0162956	.0530168	.0162956	.0068141	.0068141
.90	.90	.0380161	.0236088	.0107949	.0655450	.0223787	.0070615	.0554738	.0175677	.0554738	.0175677	.0073165	.0073165
.95	.95	.0411186	.0253591	.0115668	.0685472	.0240430	.0107849	.0580582	.0188910	.0580582	.0188910	.0078548	.0078548
1.00	1.00	.043679	.0271761	.0123900	.0716923	.0257713	.0115568	.0607678	.0202675	.0607678	.0202675	.0084300	.0084300
1.20	1.20	.0887708	.0351548	.0162221	.0856409	.0333692	.0151538	.0728146	.0263462	.0728146	.0263462	.011227	.011227
1.40	1.40	.1052599	.0443598	.0209792	.1016264	.0421500	.0196271	.0866796	.0334221	.0866796	.0334221	.0144965	.0144965
1.60	1.60	.1236027	.0518749	.0267402	.1194298	.0521985	.0250549	.1021968	.0415801	.1021968	.0415801	.0186240	.0186240
1.80	1.80	.1435537	.0667419	.0335747	.1388191	.0635598	.0315075	.1191880	.0508749	.1191880	.0508749	.0235735	.0235735
2.00	2.00	.1648614	.0799620	.0415371	.1595563	.0762404	.0390412	.1374681	.0613315	.1374681	.0613315	.0294052	.0294052
2.50	2.50	.2284356	.1186166	.0665567	.2157433	.1134485	.0628111	.1875736	.0924725	.1875736	.0924725	.0481284	.0481284
3.00	3.00	.2832815	.1640741	.0987389	.2753749	.1574304	.0935678	.2417094	.1300942	.2417094	.1300942	.0729750	.0729750
3.50	3.50	.3443590	.2142824	.1372192	.3355030	.2062688	.1305696	.2973485	.1728325	.2973485	.1728325	.1036613	.1036613
4.00	4.00	.4034157	.2670047	.1805443	.3939070	.2578284	.1724862	.3524587	.2190076	.3524587	.2190076	.1393581	.1393581
4.50	4.50	.4589746	.3202059	.2269969	.4497971	.3101306	.2176993	.4055518	.2669299	.4055518	.2669299	.1788833	.1788833
5.00	5.00	.5102129	.3722603	.2748902	.5002121	.3615630	.2645836	.4556466	.3151057	.4556466	.3151057	.2209195	.2209195
5.50	5.50	.5568017	.4220088	.3227655	.5468731	.4109492	.3117043	.5021839	.3623401	.5021839	.3623401	.2641941	.2641941
6.00	6.00	.5987498	.4687221	.3694826	.5890392	.4575243	.3579163	.5449265	.4077604	.5449265	.4077604	.3075976	.3075976
7.00	7.00	.6697127	.5517732	.4564945	.6607070	.5408021	.4445594	.6191359	.4910932	.6191359	.4910932	.3914569	.3914569
8.00	8.00	.7258626	.6209712	.5326156	.7177188	.6106396	.5209317	.6796333	.5630811	.6796333	.5630811	.4679751	.4679751
9.00	9.00	.7702383	.6777718	.5974400	.7629682	.6682640	.5863372	.7286095	.6239325	.7286095	.6239325	.5353883	.5353883
10.00	10.00	.8054857	.7241860	.6518294	.7990313	.7155475	.6415395	.7682695	.6748486	.7682695	.6748486	.5936098	.5936098

τ	$n=35$				$n=40$				$n=45$			
θ	μ_2^1	μ_3^1	μ_4^1	μ_2^2	μ_3^2	μ_4^2	μ_2^3	μ_3^3	μ_4^3	μ_2^4	μ_3^4	μ_4^4
.00	.0277778	.0000000	.0021930	.0213992	.0000000	.0017016	.0217391	.0000000	.0013587	.0217391	.0000000	.0013587
.05	.0278117	.0006538	.0022026	.0214170	.0005119	.0017092	.0217901	.0001586	.0013618	.0217901	.0001586	.0013618
.10	.0280336	.0013102	.0022314	.0214617	.0010860	.0017319	.0219429	.0009191	.0013832	.0219429	.0009191	.0013832
.15	.0283531	.0019720	.0022795	.0214905	.0016316	.0017699	.0221975	.0018335	.0014139	.0221975	.0018335	.0014139
.20	.0286001	.0026116	.0023471	.0252970	.0021900	.0018232	.0225537	.0018538	.0014570	.0225537	.0018538	.0014570
.25	.0293743	.0033219	.0024344	.0258063	.0027543	.0018921	.0230113	.0023318	.0015127	.0230113	.0023318	.0015127
.30	.0300752	.0040153	.0025417	.0264281	.0033299	.0019767	.0235701	.0028195	.0015811	.0235701	.0028195	.0015811
.35	.0309023	.0047245	.0026692	.0271621	.0039188	.0020773	.0242296	.0033188	.0016626	.0242296	.0033188	.0016626
.40	.0318550	.0054519	.0028175	.0280076	.0045234	.0021944	.0249896	.0038315	.0017574	.0249896	.0043596	.0018657
.45	.0329326	.0062002	.0029868	.0289641	.0051457	.0023282	.0258195	.0043596	.0018657	.0258195	.0049048	.0019881
.50	.0341342	.0069718	.0031778	.0300310	.0057878	.0024791	.0268089	.0049048	.0019881	.0268089	.0054691	.0021247
.55	.0354591	.0077691	.0033909	.0312077	.0064519	.0026477	.0278671	.0054691	.0021247	.0278671	.0060541	.0022762
.60	.0369061	.0085946	.0036269	.0324933	.0071400	.0028345	.0290236	.0060541	.0022762	.0290236	.0066618	.0024429
.65	.0384743	.0094505	.0038863	.0338870	.0078541	.0030399	.0302777	.0066618	.0026254	.0302777	.0072937	.0026254
.70	.0401625	.0103392	.0041698	.0353879	.0085963	.0032646	.0316286	.0072937	.0028241	.0316286	.0079516	.0028241
.75	.0419695	.0112629	.0044782	.0369949	.0093684	.0035092	.0330755	.0079516	.0030397	.0330755	.0086371	.0030397
.80	.0438940	.0122238	.0048122	.0387072	.0101723	.0037744	.0346177	.0086371	.0032728	.0346177	.0093519	.0032728
.85	.0459346	.0132240	.0051727	.0405236	.0110099	.0040609	.0362541	.0093519	.0035239	.0362541	.0100976	.0035239
.90	.0480898	.0142654	.0055606	.0424428	.0118830	.0043693	.0379840	.0100976	.0037938	.0379840	.0108756	.0037938
.95	.0503581	.0153502	.0059766	.0444638	.0127933	.0047005	.0398061	.0108756	.0040781	.0398061	.0116875	.0040781
1.00	.0527378	.0164801	.0064218	.0465852	.0137424	.0050552	.0417197	.0116875	.0044831	.0417197	.0125485	.0044831
1.20	.0633376	.0214865	.0085128	.0560475	.0179588	.0067258	.0502645	.0153020	.0054485	.0502645	.0195649	.0071834
1.40	.0755766	.0273461	.0111479	.0670007	.0229147	.0088408	.0601759	.0215467	.0093384	.0601759	.0245467	.0093384
1.60	.0893245	.0341398	.0143919	.0793398	.0286860	.0114573	.0713673	.0245467	.0119649	.0713673	.0303032	.0119649
1.80	.1044404	.04192253	.0183079	.0929507	.0353301	.0146327	.0837443	.0303032	.0151132	.0837443	.0368750	.0151132
2.00	.1201762	.0507370	.0229545	.1077122	.0428860	.0184215	.0972061	.0368750	.0255622	.0972061	.0470009	.0255622
2.50	.1659510	.0772813	.0380759	.1488286	.0658549	.0308856	.1349092	.0570009	.0401203	.1349092	.0823464	.0401203
3.00	.2154366	.1098967	.0585428	.1943486	.0944619	.0480259	.1770411	.0823464	.0590501	.1770411	.1124120	.0590501
3.50	.2670603	.1476165	.0843494	.2421159	.1280274	.0700047	.2219631	.1124120	.0822713	.2219631	.1464842	.0822713
4.00	.3189890	.1891258	.1150129	.2913775	.1655232	.0965774	.2681991	.1464842	.1093957	.2681991	.1834900	.1093957
4.50	.3697975	.2330059	.1496918	.3398956	.2057669	.1271615	.3145065	.1834900	.1398780	.3145065	.2224331	.1398780
5.00	.4184667	.2779194	.1873464	.3869583	.2475815	.1609509	.3599041	.2224331	.1727631	.3599041	.2623459	.1727631
5.50	.4643378	.3227228	.2268909	.4318576	.2899059	.1970395	.4036670	.2623459	.2074770	.4036670	.3023837	.2074770
6.00	.5070451	.3665145	.2673096	.4711170	.3318548	.2345264	.4452996	.3023837	.2792552	.4452996	.3402268	.2792552
7.00	.5825537	.4486517	.3474407	.5501027	.4120560	.3105283	.5211134	.3802268	.3502210	.5211134	.4522586	.3502210
8.00	.6454363	.5214639	.4227932	.6145542	.4847870	.389196	.5865225	.4522586	.4171568	.5865225	.5167925	.4171568
9.00	.6972480	.5843493	.4908744	.6685036	.5488244	.4517448	.6420586	.5167925	.4783701	.6420586	.5734766	.4783701
10.00	.7398138	.6379067	.5509116	.7134117	.6042489	.5127029	.6888465	.5734766		.6888465		

12.	$n=50$				$n=50$				$n=70$			
θ	μ_2^1	μ_3^1	μ_4^1	μ_2^2	μ_3^2	μ_4^2	μ_2^3	μ_3^3	μ_4^3	μ_2^4	μ_3^4	μ_4^4
.00	.0196678	.0000000	.0011099	.0163934	.0000000	.0007806	.0140845	.0000000	.0005788			
.05	.0196541	.0003947	.0011149	.0164325	.0003038	.0007842	.0141183	.0002432	.0005815			
.10	.0197928	.0007910	.0011301	.0165495	.0006090	.0007951	.0142195	.0004875	.0005896			
.15	.0200239	.0011978	.0011554	.0167446	.0009168	.0008132	.0143883	.0007339	.0006032			
.20	.0203472	.0015956	.0011910	.0170176	.0012287	.0008386	.0146244	.0009837	.0006223			
.25	.0207627	.0020703	.0012370	.0173683	.0015460	.0008714	.0149279	.0012378	.0006469			
.30	.0212699	.0024274	.0012935	.0177967	.0018699	.0009119	.0152986	.0014973	.0006772			
.35	.0218688	.0028576	.0013608	.0183024	.0022018	.0009600	.0157363	.0017634	.0007133			
.40	.0225589	.0032996	.0014391	.0188854	.0025430	.0010160	.0162408	.0020370	.0007554			
.45	.0233399	.0037551	.0015286	.0195452	.0028948	.0010801	.0168120	.0023194	.0008035			
.50	.0242114	.0042256	.0016297	.0202817	.0032586	.0011525	.0174497	.0026114	.0008579			
.55	.0251729	.0047128	.0017427	.0210944	.0036355	.0012335	.0181536	.0029142	.0009188			
.60	.0262238	.0052182	.0018680	.0219831	.0040268	.0013234	.0189233	.0032287	.0009864			
.65	.0273636	.0057434	.0020060	.0229472	.0044339	.0014224	.0197587	.0035561	.0010609			
.70	.0285918	.0062899	.0021571	.0239865	.0048578	.0015309	.0206593	.0038973	.0011426			
.75	.0299076	.0068592	.0023218	.0251003	.0052999	.0016493	.0216249	.0042534	.0012318			
.80	.0313103	.0074528	.0025006	.0262882	.0057612	.0017779	.0226550	.0046252	.0013287			
.85	.0327993	.0080722	.0026939	.0275496	.0062430	.0019171	.0237492	.0050138	.0014337			
.90	.0343736	.0087187	.0029023	.0288841	.0067465	.0020673	.0249072	.00544202	.0015471			
.95	.0360326	.0093937	.0031265	.0302910	.0072727	.0022290	.0261284	.0058452	.0016692			
1.00	.0377753	.0100985	.0033669	.0317696	.0078227	.0024026	.0274124	.0062898	.0018005			
1.20	.0455647	.0132449	.0045037	.0383883	.0112820	.0042260	.0331662	.0082816	.0024241			
1.40	.0546148	.0169595	.0059525	.0460980	.0132031	.0042802	.0398811	.0106551	.0032256			
1.60	.0648534	.0213168	.0077582	.0548461	.0166423	.0056010	.0475169	.0134588	.0042334			
1.80	.0762009	.0263670	.0099668	.0645739	.0206474	.0072254	.0560290	.0167352	.0054783			
2.00	.0885721	.0321509	.0126244	.0752184	.0252572	.0091916	.0653685	.0205204	.0069917			
2.50	.1233845	.0497311	.0215092	.1053932	.0395994	.0158428	.0919899	.0323822	.0196559			
3.00	.1625770	.0726263	.0340248	.1397638	.0580970	.0253755	.1225797	.0478499	.0298549			
3.50	.2047108	.0997960	.0504911	.1771987	.0806389	.0381548	.1562268	.0669290	.0429735			
4.00	.2484590	.1308553	.0709408	.2166159	.1068482	.0543434	.1920363	.0894023	.0590685			
4.50	.2926731	.1649878	.0951317	.2570377	.1361619	.0738904	.2291736	.1148825	.0780376			
5.00	.3364448	.2013024	.1226017	.2976247	.1679122	.0965540	.2668964	.1428697	.0996432			
5.50	.3789617	.2389259	.1527448	.3376903	.2013990	.1219451	.3045713	.1728078	.1235472			
6.00	.4197918	.2770664	.1848878	.3767002	.2359464	.1495798	.3416805	.2011310	.1766191			
7.00	.4950546	.3523303	.2525187	.4501014	.3058552	.2094699	.4126825	.2688279	.2338838			
8.00	.5609602	.4232442	.3208192	.5160343	.3737959	.2721773	.4778173	.3333372	.2922974			
9.00	.6176451	.4877869	.3864278	.5740360	.4373369	.3344130	.5362192	.3951158				
10.00	.6659312	.5452522	.4474020	.6244227	.4953350	.3939100	.5878186	.4526425	.3495249			

μ_0	μ_2	μ_3	μ_4	μ_2	μ_3	μ_4	μ_2	μ_3	μ_4	μ_3	μ_4
$n=80$											
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.05	.0123754	.0002003	.0004483	.0110356	.0001687	.0003562	.0099250	.0001447	.0002898		
.10	.0124647	.0004016	.0004546	.0110953	.0003383	.0003612	.0099971	.0002900	.0002939		
.15	.0126133	.0006047	.0004652	.0112282	.0005993	.0003696	.0101172	.0004367	.0003008		
.20	.0128214	.0008105	.0004800	.0114142	.0006827	.0003815	.0102853	.0005854	.0003105		
.25	.0130888	.0010199	.0004992	.0116532	.0008592	.0003968	.0105014	.0007367	.0003230		
.30	.0134155	.0012339	.0005228	.0119452	.0010396	.0004157	.0107654	.0008914	.0003385		
.35	.0138013	.0014534	.0005509	.0122901	.0012246	.0004382	.0110772	.0010502	.0003568		
.40	.0142460	.0016791	.0005836	.0126877	.0014150	.0004644	.0114367	.0012135	.0003783		
.45	.0147496	.0019122	.0006210	.0131379	.0016116	.0004944	.0118438	.0013823	.0004028		
.50	.0153118	.0021533	.0006634	.0136407	.0018151	.0005283	.0122984	.0015570	.0004306		
.55	.0159325	.0024034	.0007108	.0141957	.0020262	.0005663	.0128005	.0017383	.0004617		
.60	.0166114	.0026634	.0007635	.0148030	.0022458	.0006085	.0133497	.0019269	.0004963		
.65	.0173483	.0029341	.0008216	.0154622	.0024745	.0006550	.0139460	.0021234	.0005344		
.70	.0181430	.0032164	.0008853	.0161732	.0027130	.0007061	.0145893	.0023285	.0005763		
.75	.0189951	.0035111	.0009549	.0169357	.0029622	.0007619	.0152793	.0025428	.0006220		
.80	.0199044	.0038191	.0010306	.0177496	.0032227	.0008226	.0160158	.0027668	.0006718		
.85	.0208706	.0041411	.0011126	.0186145	.0034952	.0008884	.0167986	.0030013	.0007258		
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.95	.0229721	.0048306	.0012967	.0204963	.0040790	.0010363	.0185024	.0035040	.0008471		
1.00	.0241067	.0051996	.0013994	.0215127	.0043917	.0011188	.0194229	.0037733	.0009149		
1.20	.0291953	.0068554	.0018881	.0260740	.0057964	.0015121	.0235558	.0049845	.0012382		
1.40	.0351427	.0088332	.0025179	.0314112	.0074775	.0020200	.0283963	.0064363	.0016564		
1.60	.0419170	.0111756	.0033122	.0374986	.0094725	.0026621	.0339233	.0081621	.0021863		
1.80	.0494831	.0139203	.0042964	.0443078	.0118152	.0034598	.0401131	.0101922	.0028458		
2.00	.0578021	.0171003	.0054972	.0518070	.0145357	.0044356	.0469395	.0125540	.0036545		
2.50	.0816158	.0271218	.0096229	.0733471	.0231475	.0078071	.0666012	.0200580	.0064611		
3.00	.1091664	.0403023	.0156760	.0984035	.0345522	.0127946	.0895751	.0300520	.0136413		
3.50	.1397054	.0567155	.0240012	.1263510	.0488638	.0197174	.1153311	.0426730	.0164876		
4.00	.1724823	.0762489	.0348405	.1565519	.0660390	.0288204	.1433213	.0579247	.0242386		
4.50	.2067802	.0986382	.0483102	.1883858	.0859014	.0402515	.1730046	.0755640	.0340574		
5.00	.2419437	.1235095	.0643963	.2212729	.1081715	.0540529	.2038660	.0957730	.0460213		
5.50	.2773960	.1504216	.0829664	.2546905	.1324998	.0701645	.2354323	.1178847	.0601205		
6.00	.3126484	.1789052	.1037911	.2881831	.1584978	.0884377	.2672819	.1411708	.0762656		
7.00	.3810403	.2387488	.1509673	.3539267	.2139127	.1305463	.3304308	.1931188	.1140199		
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9.00	.5031058	.3592965	.2577062	.4738653	.3286067	.2289398	.4478525	.3020692	.2047546		
10.00	.5552932	.4157827	.3122800	.5261971	.3836925	.2807145	.500127	.3555464	.2537247		
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.05	.0123754	.0002003	.0004483	.0110356	.0001687	.0003562	.0099250	.0001447	.0002898		
.10	.0124647	.0004016	.0004546	.0110953	.0003383	.0003612	.0099971	.0002900	.0002939		
.15	.0126133	.0006047	.0004652	.0112282	.0005993	.0003696	.0101172	.0004367	.0003008		
.20	.0128214	.0008105	.0004800	.0114142	.0006827	.0003815	.0102853	.0005854	.0003105		
.25	.0130888	.0010199	.0004992	.0116532	.0008592	.0003968	.0105014	.0007367	.0003230		
.30	.0134155	.0012339	.0005228	.0119452	.0010396	.0004157	.0107654	.0008914	.0003385		
.35	.0138013	.0014534	.0005509	.0122901	.0012246	.0004382	.0110772	.0010502	.0003568		
.40	.0142460	.0016791	.0005836	.0126877	.0014150	.0004644	.0114367	.0012135	.0003783		
.45	.0147496	.0019122	.0006210	.0131379	.0016116	.0004944	.0118438	.0013823	.0004028		
.50	.0153118	.0021533	.0006634	.0136407	.0018151	.0005283	.0122984	.0015570	.0004306		
.55	.0159325	.0024034	.0007108	.0141957	.0020262	.0005663	.0128005	.0017383	.0004617		
.60	.0166114	.0026634	.0007635	.0148030	.0022458	.0006085	.0133497	.0019269	.0004963		
.65	.0173483	.0029341	.0008216	.0154622	.0024745	.0006550	.0139460	.0021234	.0005344		
.70	.0181430	.0032164	.0008853	.0161732	.0027130	.0007061	.0145893	.0023285	.0005763		
.75	.0189951	.0035111	.0009549	.0169357	.0029622	.0007619	.0152793	.0025428	.0006220		
.80	.0199044	.0038191	.0010306	.0177496	.0032227	.0008226	.0160158	.0027668	.0006718		
.85	.0208706	.0041411	.0011126	.0186145	.0034952	.0008884	.0167986	.0030013	.0007258		
.90	.0218932	.0044780	.0012012	.0195301	.0037804	.0009596	.0176276	.0032468	.0007842		
.95	.0229721	.0048306	.0012967	.0204963	.0040790	.0010363	.0185024	.0035040	.0008471		
1.00	.0241067	.0051996	.0013994	.0215127	.0043917	.0011188	.0194229	.0037733	.0009149		
1.20	.0291953	.0068554	.0018881	.0260740	.0057964	.0015121	.0235558	.0049845	.0012382		
1.40	.0351427	.0088332	.0025179	.0314112	.0074775	.0020200	.0283963	.0064363	.0016564		
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5.50	.2773960	.1504216	.0829664	.2546905	.1324998	.0701645	.2354323	.1178847	.0601205		
6.00	.3126484	.1789052	.1037911	.2881831	.1584978	.0884377	.2672819	.1411708	.0762656		
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10.00	.5552932	.4157827	.3122800	.5261971	.3836925	.2807145	.500127	.3555464	.2537247		
$n=100$											
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.05	.0123754	.0002003	.0004483	.0110356	.0001687	.0003562	.0099250	.0001447	.0002898		
.10	.0124647	.0004016	.0004546	.0110953	.0003383	.0003612	.0099971	.0002900	.0002939		
.15	.0126133	.0006047	.0004652	.0112282	.0005993	.0003696	.0101172	.0004367	.0003008		
.20	.0128214	.0008105	.0004800	.0114142	.0006827	.0003815	.0102853	.0005854	.0003105		
.25	.0130888	.0010199	.0004992	.0116532	.0008592	.0003968	.0105014	.0007367	.0003230		
.30	.0134155	.0012339	.0005228	.0119452	.0010396	.0004157	.0107654	.0008914	.0003385		
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.45	.0147496	.0019122	.0006210	.0131379	.0016116	.0004944	.0118438	.0013823	.0004028		
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